

ABCN No.<sup>1</sup>: ABCN-W375-00-00038

Rev No.: 0

Initiating document (DCA, drawing, procedure, etc.):

Affected AB document(s) (SRD, ISMP, etc.): Safety Requirements Document

A. Describe the proposed design or administrative control (procedure, program, plan, or management process) change.

Add the following standards to the SRD, Safety Criterion 4.1-2:

ASTM D3740, Standard Practice for Minimum Requirements for Agencies Engaged in the Testing and/or Inspection of Soil and Rock as Used in Engineering Design and Construction

ASTM D2922, Standard Test Method for Laboratory Determination of Moisture Content of Soil

ASTM D3017, Standard Test Method for Water Content of Soil and Rock in Place by Nuclear Methods

B. Describe the reason for the proposed change.

The ISM process identified control strategies for which these standards were selected and they are not currently contained in the SRD.

C. List the affected sections of the changed AB document and any other affected AB document, and perform a comparison of the proposed AB change against those sections or documents.

Chapter 4, Safety Criterion 4.1-2.

D. Perform a written evaluation (use separate sheets) that demonstrates that the revision to the AB<sup>2</sup>:

1. Will continue to comply with all applicable laws and regulations, conform to top-level safety standards, and provide adequate safety.
2. Will continue to conform to the original submittal requirements associated with the authorization basis document(s) affected by the revision.
3. Will not result in inconsistencies with other commitments and descriptions contained in the authorization basis or an authorization agreement.

E. Describe the implementation schedule for the proposed change. Include reference to all affected documents (AB and otherwise) to ensure an accurate representation of the schedule.

The ABCN will be incorporated into the SRD within 30 days of approval by the Regulatory Unit.

F. Answer the following questions to determine if the proposed revision to the AB requires prior approval by the Regulatory Unit (RU).

1. Does the revision involve the deletion or modification of a standard previously identified or established in the approved SRD? ☒ Yes ☐ No

Explain: This revision adds standards which address the laboratory and field testing requirements for soils. These standards will ensure through testing that other AB will be met.

<sup>1</sup> The ABCN document number is obtained from Project Document Control.

<sup>2</sup> The format, content, and level-of-detail associated with an acceptable safety evaluation is highly dependent on the nature of the proposed revision to the AB. Rather than establishing comprehensive guidance on appropriate evaluation format, content, and level-of-detail, the written evaluation should establish the most fundamental basis that can be applied to evaluating proposed revisions. There is a wide range of acceptable safety evaluation approaches. Also, the appropriate degree of rigor and documentation associated with the safety evaluation should be tailored to the specific AB revision. The Regulatory Unit (in RL/REG-97-13) does not indicate that an explicit and detail case be made and documented showing that the fundamental criteria have been satisfied for all revisions to the authorization basis.

ABCN No.<sup>1</sup>: ABCN-W375-00-00038 Rev No.: 0

Initiating document (DCA, drawing, procedure, etc.): \_\_\_\_\_

Affected AB document(s) (SRD, ISMP, etc.): Safety Requirements Document

F. Answer the following questions to determine if the proposed revision to the AB requires prior approval by the Regulatory Unit (RU).

2. Does the revision result in a reduction in commitment currently described in the AB? ☐ Yes ☒ No

Explain: These standards have been selected in accordance with the ISM process. They enhance previous commitments contained in Sections 4.1-3 and 4.1-4 of the SRD for structural performance of the facilities through consideration of performance requirements. These standards also, provide documented testing records that quantitatively verify performance requirements have been achieved

3. Does the revision result in a reduction in the effectiveness of any procedure, program, plan, or management process described in the AB? ☐ Yes ☒ No

Explain: This change enhances the effectiveness of existing commitments by defining specific testing requirements that affect the ability of structures to perform as required by existing safety criteria.

If all the answers to questions F1-F3 are no, then the AB change can be made without prior RU approval. If the answer to question F1 is yes, then follow the directions in item G and attach to this ABCN. If the answer to question F2 or F3 is yes, then follow the directions in item H and attach to this ABCN.

- G. If the revision involves the deletion or modification of a standard previously identified in the approved SRD, provide a certification that the revised SRD identifies a set of standards that continues to provide adequate safety, comply with all applicable laws and regulations, and conform to top-level safety standards.
- H. If the revision results in a reduction in commitment or reduction in effectiveness currently described in the AB justify the changes and demonstrate that the proposed change is safe. Consider a line-by-line comparison justification or, alternatively, a "first principles" justification (consult ES&H).

Obtain all signatures and process through PDC for issue and distribution. If prior RU approval is required, prepare a formal cover letter and transmit, with attachments, to the RU. This cover letter/ABCN package constitutes a request to amend the Authorization Basis.

If a "decision to deviate" from the AB will be used while this ABCN is pending, the Preparer and the Reviewer must sign below before entering the deviation option (see K70P551 for details on deviating from the AB).

Attachments:

1. Copies of the AB document(s) or appropriate excerpt showing the proposed revision(s).
2. Written evaluation from D, above.
3. The certification from G, above, if applicable.
4. The justification from H, above, if applicable.

ABCN No.<sup>1</sup>: ABCN-W375-00-00038 Rev No.: 0

Initiating document (DCA, drawing, procedure, etc.): \_\_\_\_\_

Affected AB document(s) (SRD, ISMP, etc.): Safety Requirements Document

---

Preparer<sup>3</sup>: \_\_\_\_\_ Date: \_\_\_\_\_

Reviewer<sup>3</sup>: \_\_\_\_\_ Date: \_\_\_\_\_

Manager, ES&H: \_\_\_\_\_ Date: \_\_\_\_\_

Manager, QA: \_\_\_\_\_ Date: \_\_\_\_\_

Chair, PSC: \_\_\_\_\_ Date: \_\_\_\_\_

General Manager,  
RPP-WTP: \_\_\_\_\_ Date: \_\_\_\_\_

If a Decision to Deviate (DTD) from the AB has been initiated, enter the DTD and Deficiency Report numbers here:

ABCN incorporated in revision \_\_\_\_ of \_\_\_\_\_

ABCN closed by: \_\_\_\_\_  
Signature Date

---

<sup>3</sup> The Preparer and Reviewer must have received Authorization Basis maintenance training.